

WBS		Name	Resource Names	Start	Finish	Cost	Duration	Work	2006											
0	1.	F10 Ejection Septum		Mon 10/3/05	Tue 3/28/06	\$156,929.53	1016 h	2,867 h	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr				
1																				
2		1 Pre-Design		Mon 10/3/05	Mon 10/3/05	\$802.32	8 h	24 h												
3		1.1 Cost Estimate	Mechanical Engineer	Mon 10/3/05	Mon 10/3/05	\$267.44	4 h	4 h												
4		1.2 Scientist Interface	Mechanical Engineer	Mon 10/3/05	Mon 10/3/05	\$534.88	8 h	8 h												
5		1.3 Cost Estimate	Electrical Engineer	Mon 10/3/05	Mon 10/3/05	\$0.00	4 h	4 h												
6		1.4 Scientist Interface	Electrical Engineer	Mon 10/3/05	Mon 10/3/05	\$0.00	8 h	8 h												
7		2 Design		Tue 10/4/05	Fri 10/14/05	\$5,584.32	72 h	176 h												
8		2.1 Detailed Calculations	Mechanical Engineer	Tue 10/4/05	Thu 10/6/05	\$1,337.20	20 h	20 h												
9		2.2 Designer Interface	Mechanical Engineer	Thu 10/6/05	Mon 10/10/05	\$1,337.20	20 h	20 h												
10		2.3 Detailed Calculations	Electrical Engineer	Tue 10/4/05	Tue 10/4/05	\$0.00	8 h	8 h												
11		2.4 Designer Interface	Electrical Engineer	Wed 10/5/05	Thu 10/6/05	\$0.00	16 h	16 h												
12		2.5 Enginnering Interface	Mechanical Designer	Tue 10/4/05	Thu 10/6/05	\$1,119.20	20 h	20 h												
13		2.6 Layout	Mechanical Designer	Tue 10/11/05	Fri 10/14/05	\$1,790.72	32 h	32 h												
14		2.7 Engineering Interface	Electrical Designer	Tue 10/4/05	Wed 10/5/05	\$0.00	16 h	16 h												
15		2.8 Layout	Electrical Designer	Fri 10/7/05	Wed 10/12/05	\$0.00	32 h	32 h												
16		2.9 Drawing Review	Electrical Designer	Tue 10/4/05	Wed 10/5/05	\$0.00	12 h	12 h												
17		3 Design Finalize		Mon 10/17/05	Fri 10/21/05	\$4,331.40	40 h	114 h												
18		3.1 Design Review	Mechanical Engineer	Mon 10/17/05	Mon 10/17/05	\$534.88	8 h	8 h												
19		3.2 Layout Drawing Review	Mechanical Engineer	Mon 10/17/05	Mon 10/17/05	\$401.16	6 h	6 h												
20		3.3 Design Review	Electrical Engineer	Mon 10/17/05	Mon 10/17/05	\$0.00	8 h	8 h												
21		3.4 Drawing Review	Electrical Engineer	Mon 10/17/05	Mon 10/17/05	\$0.00	4 h	4 h												
22		3.5 Detailed Design	Mechanical Designer	Mon 10/17/05	Thu 10/20/05	\$1,790.72	32 h	32 h												
23		3.6 Detailed Design	Electrical Designer	Tue 10/18/05	Fri 10/21/05	\$0.00	32 h	32 h												
24		3.7 Drawing Review	Mechanical Engineer	Mon 10/17/05	Wed 10/19/05	\$1,604.64	24 h	24 h												
25		4 Procurement / Fabrication		Mon 10/24/05	Wed 12/7/05	\$56,361.87	264 h	611 h												
26		4.1 Procurement Logistics	Mechanical Engineer	Mon 10/24/05	Tue 10/25/05	\$802.32	12 h	12 h												
27		4.2 Procurement Logistics	Electrical Designer	Mon 10/24/05	Tue 10/25/05	\$0.00	12 h	12 h												
28		4.3 Vacuum chamber	Central Shops	Mon 10/24/05	Wed 11/16/05	\$13,156.35	139 h	139 h												
29		4.4 Coil Package	Central Shops	Mon 10/24/05	Wed 12/7/05	\$24,987.60	264 h	264 h												
30		4.5 Magnet Core	Central Shops	Mon 10/24/05	Wed 11/23/05	\$17,415.60	184 h	184 h												
31		5 Pre-Assembly Work / Acceptance Testing		Thu 12/8/05	Tue 2/21/06	\$32,486.70	432 h	966 h												
32		5.1 Assembly Parts	Central Shops	Thu 12/8/05	Mon 1/23/06	\$24,798.30	262 h	262 h												
33		5.2 Mechanical Inspection	Mechanical Technician	Thu 12/8/05	Tue 12/20/05	\$0.00	72 h	72 h												
34		5.3 Assembly Machining	Mechanical Technician	Thu 12/8/05	Tue 12/20/05	\$0.00	72 h	72 h												
35		5.4 Magnet Assembly	Mechanical Technician	Wed 12/21/05	Tue 1/31/06	\$0.00	240 h	240 h												
36		5.5 Electrical Inspection	Electrical Technician	Thu 12/8/05	Wed 12/21/05	\$0.00	80 h	80 h												
37		5.6 Hi-Pot	Electrical Technician	Thu 12/8/05	Thu 12/15/05	\$0.00	48 h	48 h												
38		5.7 Component / Magnet Rigging	Building Trades Rigger	Wed 2/1/06	Tue 2/21/06	\$7,688.40	120 h	120 h												
39		5.8 Installation Cableing	Electrical Technician	Thu 12/8/05	Tue 12/20/05	\$0.00	72 h	72 h												
40		6 Final Assembly		Wed 2/22/06	Tue 3/7/06	\$22,466.76	80 h	708 h												
41		6.1 As Built Calcuations	Mechanical Engineer	Wed 2/22/06	Mon 2/27/06	\$2,139.52	32 h	32 h												
42		6.2 As Built Calculations	Electrical Engineer	Wed 2/22/06	Mon 2/27/06	\$0.00	32 h	32 h												
43		6.3 As-Built Drawings	Mechanical Designer	Tue 2/28/06	Fri 3/3/06	\$1,790.72	32 h	32 h												
44		6.4 As-Built Drawings	Electrical Designer	Tue 2/28/06	Fri 3/3/06	\$0.00	32 h	32 h												
45		6.5 As Built Drawing Review	Electrical Designer	Wed 2/22/06	Wed 2/22/06	\$0.00	8 h	8 h												
46		6.6 Vacuum Testing	Vacuum Technician	Wed 2/22/06	Wed 3/1/06	\$0.00	48 h	48 h												
47		6.7 Mechanical Systems Assembly / Testing	Water Systems Technician	Wed 2/22/06	Mon 3/6/06	\$3,762.00	72 h	72 h												
48		6.8 Heat Run / Aceptance Testing	Electrical Technician	Wed 2/22/06	Tue 3/7/06	\$0.00	80 h	80 h												
49		6.9 Pre-Survey / Magnet Characterization	Survey	Wed 2/22/06	Tue 3/7/06	\$4,180.00	80 h	80 h												
50		6.10 Point Generation / Software Interface	Survey	Wed 2/22/06	Tue 2/28/06	\$1,881.00	36 h	36 h												
51		6.11 Final Assembly Inspection / Prep Work	Mechanical Technician	Wed 2/22/06	Fri 2/24/06	\$0.00	24 h	24 h												
52		6.12 Ring Preparation	Mechanical Technician	Wed 2/22/06	Fri 2/24/06	\$0.00	24 h	24 h												
53		6.13 Ring Vacuum Work	Mechanical Technician	Wed 2/22/06	Fri 2/24/06	\$0.00	24 h	24 h												
54		6.14 Ring Preparation	Electrical Technician	Wed 2/22/06	Fri 2/24/06	\$0.00	24 h	24 h												
55		6.15 Final Testing	Electrical Technician	Mon 2/27/06	Wed 3/1/06	\$0.00	24 h	24 h												
56		6.16 Facility Modification	Building Trades Carpenters	Wed 2/22/06	Mon 3/6/06	\$4,613.04	72 h	72 h												
57		6.17 Facility Modification	Building Trades Electrician	Wed 2/22/06	Fri 3/3/06	\$4,100.48	64 h	64 h												
58		7 As Builts / Ring Install		Wed 3/8/06	Tue 3/28/06	\$12,938.16	120 h	268 h												
59		7.1 As Built Drawing Review	Mechanical Engineer	Wed 3/8/06	Thu 3/9/06	\$1,069.76	16 h	16 h												
60		7.2 As Built Drawing Review	Electrical Engineer	Wed 3/8/06	Wed 3/8/06	\$0.00	4 h	4 h												
61		7.3 Final Survey	Survey	Wed 3/8/06	Tue 3/21/06	\$4,180.00	80 h	80 h												
62		7.4 Final Installation	Mechanical Technician	Wed 3/8/06	Wed 3/15/06	\$0.00	48 h	48 h												
63		7.5 Ring Installation	Building Trades Rigger	Wed 3/8/06	Tue 3/28/06	\$7,688.40	120 h	120 h												
64	1.155	8 Procured Parts		Mon 10/3/05	Mon 10/3/05	\$21,958.00	1 h	0 h												
65	1.155.1	8.1 Actuator Assembly	Purchase Low Value[7,500 \$]	Mon 10/3/05	Mon 10/3/05	\$7,500.00	1 h	0 h												
66	1.155.2	8.2 Linear Transducer	Purchase Low Value[1,008 \$]	Mon 10/3/05	Mon 10/3/05	\$1,008.00	1 h	0 h												
67	1.155.3	8.3 DC Stepper Motor	Purchase Low Value[5,400 \$]	Mon 10/3/05	Mon 10/3/05	\$5,400.00	1 h	0 h												
68	1.155.4	8.4 Miscellaneous Hardware	Purchase Low Value[3,000 \$]	Mon 10/3/05	Mon 10/3/05	\$3,000.00	1 h	0 h												
69	1.155.5	8.5 Linear Slides	Purchase Low Value[1,000 \$]	Mon 10/3/05	Mon 10/3/05	\$1,000.00	1 h	0 h												
70	1.155.6	8.6 Linear Bearings	Purchase Low Value[3,800 \$]	Mon 10/3/05	Mon 10/3/05	\$3,800.00	1 h	0 h												
71	1.155.7	8.7 Rail Assembly	Purchase Low Value[250 \$]	Mon 10/3/05	Mon 10/3/05	\$250.00	1 h	0 h												